アメリカ

MODEL 4073D

Dec.—05—'98 US

ITEM NO	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	7	Tapping Screw PT 3x20	16	1	Cover
2	1	Housing Set (With Item 26)	17	1	DC Motor
3	1	Multi Label	18	1	Base
4	1	Front Cover Complete	19	1	Fan B7
5	1	Hook	20	1	Fan Cover
6	1	Ring 2.5	21	1	Rubber Ring
7	1	Compression Spring 6	22	1	Sponge Sheet 10—106
8	1	Hook	23	1	Dust Bag
9	1	Switch Lever	24	1	Packing
10	1	Switch	25	1	Inlet
11	1	Sponge Sheet 43—75	26	1	Housing Set (With Item 2)
12	1	Battery Holder	27	1	Resistance Circuit
13	1	Sponge 20—34	28	2	Pan Head Screw M3x8
14	1	Dust Cover Complete	29	1	Sponge Sheet 63—75
15	1	Hanger	30	1	Name Plate

Note: The switch and other part specifications may differ from country to country

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation
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884087 — 050

PRINTED IN JAPAN

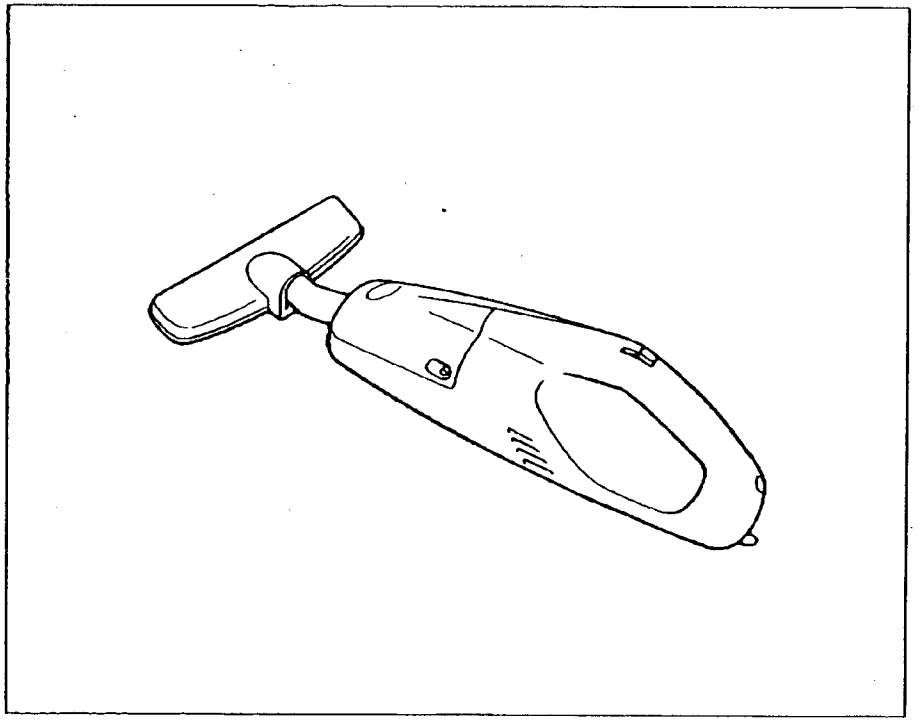
makita

アメリカ

Cordless Cleaner

MODEL 4073D

INSTRUCTION MANUAL



SPECIFICATIONS

Capacity	Dimensions (L x W x H)	Net weight
500 mℓ	383 mm x 112 mm x 137 mm (15-5/64" x 4-13/32" x 5-3/8")	1.1 kg (2.4 lbs)

- Manufacturer reserves the right to change specifications without notice.
- Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

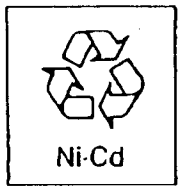
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

ADDITIONAL SAFETY RULES FOR CHARGER & BATTERY CARTRIDGE

1. Do not charge Battery Cartridge when temperature is BELOW 10°C (50°F) or ABOVE 40°C (104°F).
2. Do not attempt to use a step-up transformer, an engine generator or DC power receptacle.
3. Do not allow anything to cover or clog the charger vents.
4. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
5. A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
   (1) Do not touch the terminals with any conductive material.
   (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
   (3) Do not expose battery cartridge to water or rain.
6. Do not store the tool and Battery Cartridge in locations where the temperature may reach or exceed 50°C (122°F).
7. Do not incinerate the Battery Cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.

SAVE THESE INSTRUCTIONS.

Recycling the Battery



The only way to dispose of a Makita battery is to recycle it. The law prohibits any other method of disposal.

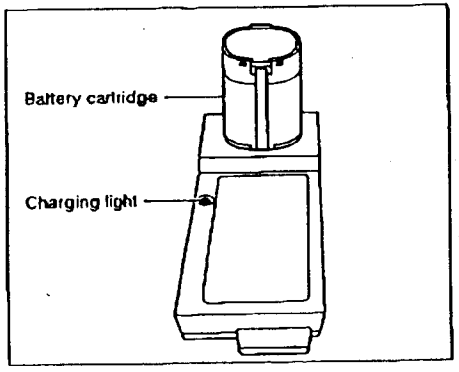
To recycle the battery:

1. Remove the battery from the tool.
2. a). Take the battery to your nearest Makita Factory Service Center
   or
   b). Take the battery to your nearest Makita Authorized Service Center or Distributor that has been designated as a Makita battery recycling location.

   • *Call your nearest Makita Service Center or Distributor to determine the location that provides Makita battery recycling. See your local Yellow Pages under "Tools-Electric".*

CAUTION:
- Your new battery cartridge is not charged. You will need to charge it before use.
- If you try to charge a cartridge from a just-operated tool, sometimes the charging light will not come on. If this occurs, let the cartridge cool off for a while. Then re-insert it and try to charge it once more.
- When you charge a new battery cartridge or a battery cartridge which has not been used for a long period, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery cartridge fully after discharging it completely a couple of times.
- If you wish to charge two battery cartridges, allow 15 minutes between chargings on the fast charger.

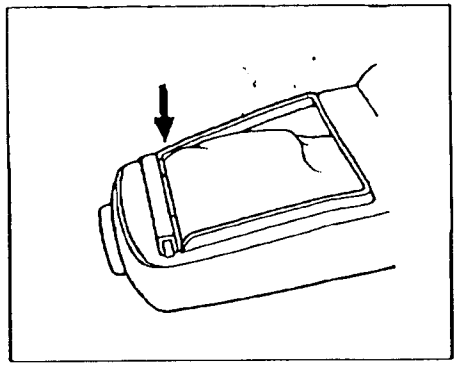
Charging (DC1411/1412)



- Your new battery cartridge is not charged. You will need to charge it before use. Use the high capacity battery charger Model DC1411/1412 to charge the battery cartridge.
- Plug the high capacity battery charger into the proper A.C. voltage source. The charging light will flash in green color.
- Insert the battery cartridge so that the plus and minus terminals on the battery cartridge are on the same sides as their respective markings on the high capacity battery charger. Insert the cartridge fully into the port so that it rests on the charger port floor.
- When the battery cartridge is inserted, the charging light color will change from green to red and charging will begin. The charging light will remain lit steadily during charging.
- When the charging light color changes from red to green, the charging cycle is complete. The charging time is approximately one hour.
- If you leave the battery cartridge in the charger after the charging cycle is complete, the charger will switch into its "trickle charge (maintenance charge)" mode which will last approximately 24 hours.
- After charging, unplug the charger from the power source.

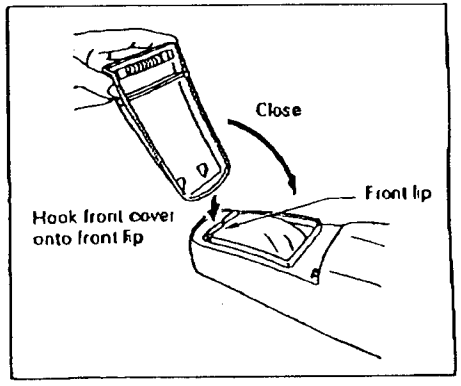
CAUTION:
- The high capacity battery charger Model DC1411 is for charging Makita battery cartridge. Never use it for other purposes or for other manufacturer's batteries.
- When you charge a new battery cartridge or a battery cartridge which has not been used for a long period of time, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery cartridge fully after discharging it completely and recharging a couple of times.

Insert the holder of the dust bag all the way into the slots in the cleaner cavity.



CAUTION:
Forgetting to install the dust bag, failure to insert the holder of the dust bag all the way into the slots or using a broken or ripped bag, may allow dust to get into the motor. This may result in motor failure.

Hook the front cover onto the front lip of the cleaner. Then close the front cover.



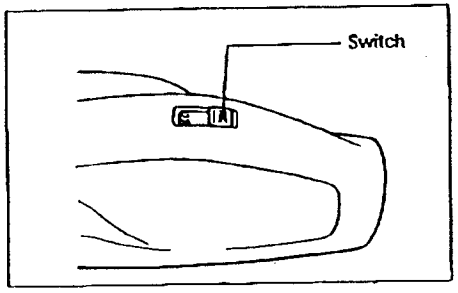
NOTE:
- When installing the paper filter, follow the same procedures for the dust bag.
- Always unfold a new paper filter before installing it on the cleaner.

Switch action

CAUTION:

- Always be sure that the dust bag or paper filter is installed properly in the cleaner before use. Improper installation may allow dust to enter the motor, resulting in malfunction of the cleaner.
- Always switch off the cleaner after each use to prevent damage to the cleaner and to lengthen the service life of the batteries.

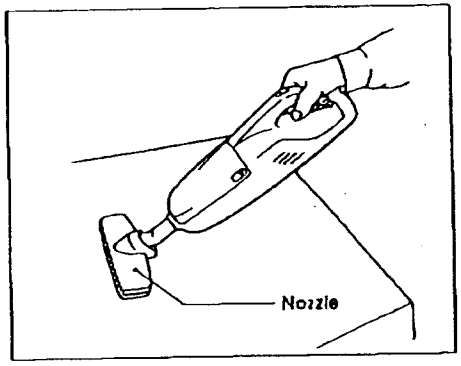
This cleaner can be operated in "standard" and "strong" suction. For standard suction, slide the switch forward to the LOW position. For strong suction, slide the switch further to the HIGH position.
To stop the cleaner, slide the switch back to the OFF position.



Cleaning (Suction)

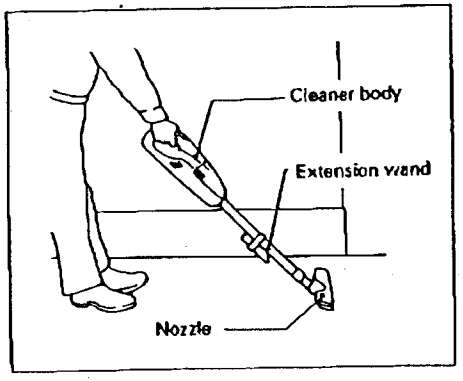
Nozzle

Attach the nozzle to clean off tables, desks, furniture, etc. Nozzle slips on easily.



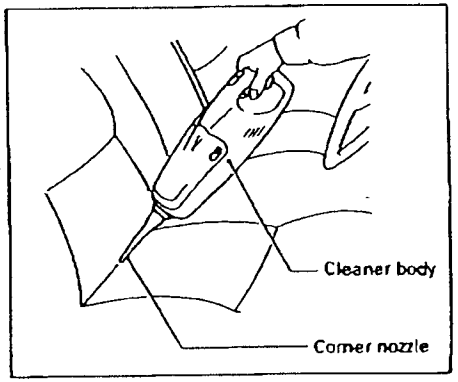
Nozzle + Extension wand (Straight pipe)

The extension wand fits in between the nozzle and the cleaner itself. This arrangement is convenient for cleaning a floor while standing erect.



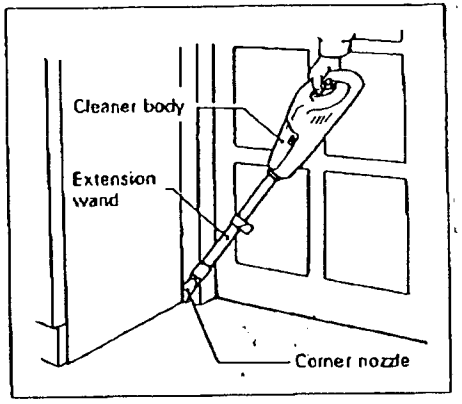
Corner nozzle

Fit on the corner nozzle for cleaning corners and crevices of the car or furniture.



Corner nozzle + Extension wand (straight pipe)

In tight quarters where the cleaner itself cannot squeeze in, or in high places hard to reach, use this arrangement.

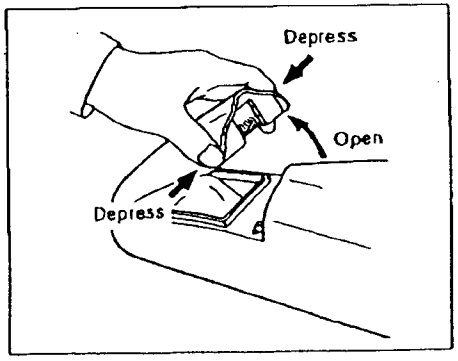


Dust disposal

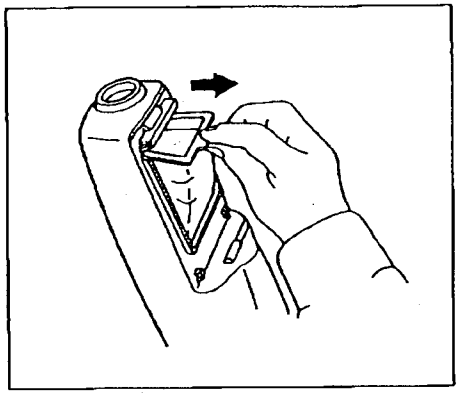
CAUTION:

Empty the dust bag before it becomes too full, or the suction force weakens.

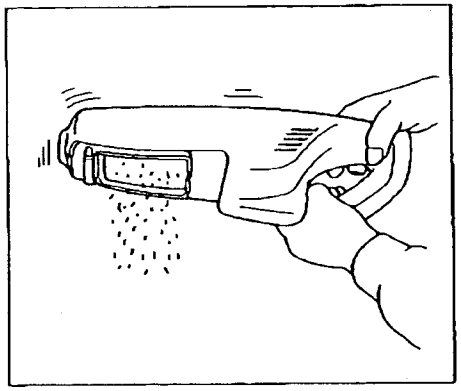
Depress the buttons and open the front cover.



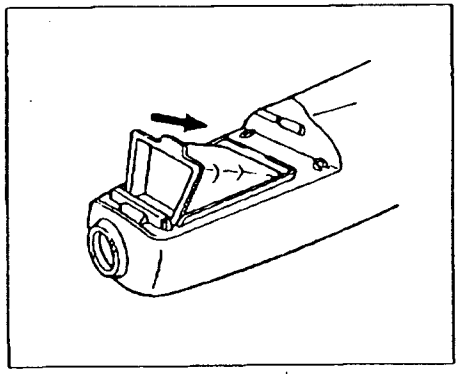
Take the dust bag out of the cleaner carefully so that the contents will not spill out. Empty the contents out of the dust bag.



Also empty out the dust inside the cleaner itself. Failure to do so may cause the sponge filter to be clogged or the motor to be damaged.



Installing dust bag
Place the dust bag into the cleaner cavity.



- If you charge a battery cartridge from a just-operated tool or a battery cartridge which has been left in a location exposed to direct sunlight or heat for a long time, the charging light may flash in red color. If this occurs, wait for a while. Charging will begin after the battery cartridge cools. The battery cartridge will cool faster if you remove the battery cartridge from the high capacity battery charger.
- If the charging light flashes alternately in green and red color, a problem exists and charging is not possible. The terminals on the charger or battery cartridge are clogged with dust or the battery cartridge is worn out or damaged.

Charge the battery cartridge with the Makita Battery Charger before use. The following table indicates the charging time on a single charge.

	Battery Cartridge / Makita Battery Charger	7000	7002
Charging time	DC9700	Approx. 60 min.	———
	DC1412	Approx. 45 min.	Approx. 70 min.
	DC1411	Approx. 40 min.	Approx. 60 min.

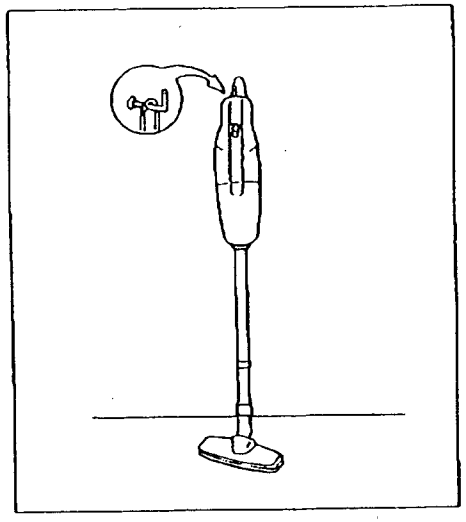
CAUTION:
- Your new battery cartridge is not charged. You will need to charge it before use.
- Do not keep the button pressed in with tape, etc. or the circuit will not function properly. Also, a malfunction of the charger may result possibly causing overheating, etc.
- If you try to charge a cartridge from ia just-operated tool, sometimes the charging light will not come on. If this occurs, let the cartridge cool off for a while. Then re-insert it and try to charge it once more.
- When you charge a new battery cartridge or a battery cartridge which has not been used for a long period, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery cartridge fully after discharging it almost completely a couple of times.
- If you wish to charge two battery cartridges, allow 15 minutes between chargings on the fast charger.

MAINTENANCE

CAUTION:
Always be sure that the cleaner is switched off and the battery cartridge is removed before carrying out any work on the cleaner.

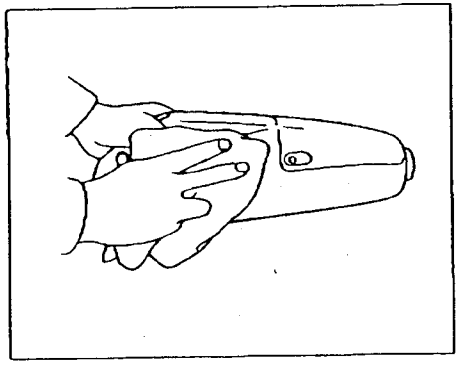
After use

When storing the cleaner, hang it from a nail using the convenient hanger in back.



Cleaning

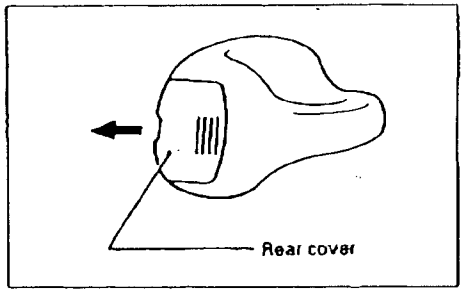
From time to time wipe off the outside (cleaner body) of the cleaner using a cloth dampened in soapy water. Never use gasoline, thinner or the like. Discoloration or cracks may result.
Wash the dust bag in soapy water occasionally. Dry it out thoroughly before use. An insufficiently dried bag may cause poor suction and shorten the service life of the motor.



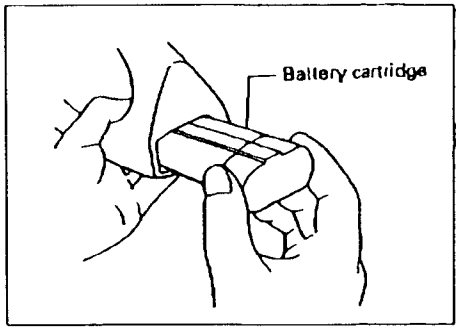
To maintain product SAFETY and RELIABILITY, repairs, maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

Installing or removing battery cartridge

- Always switch off the cleaner before insertion or removal of the battery cartridge.
- To remove the battery cartridge, remove the rear cover from the cleaner by pushing it in the direction of the arrow and then withdraw the battery cartridge from the cleaner.

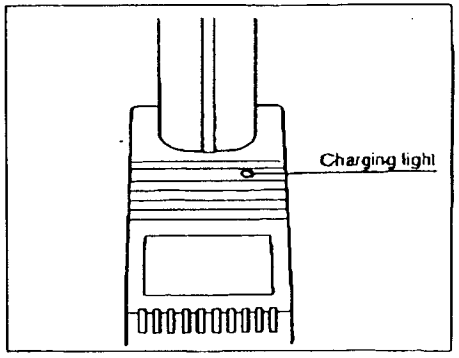


- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the cleaner and slip it into place. Then close the rear cover.



- Do not use force when inserting the battery cartridge.
  If the cartridge does not slide in easily, it is not being inserted correctly.

Charging (DC9700)



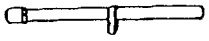
Plug the fast charger into your power source. Insert the battery cartridge so that the plus and minus terminals on the battery cartridge are on the same sides as their respective markings on the fast charger. The charging light will come on and charging will begin. If the charging light goes out soon, remove the battery cartridge from the charger and let it cool off for more than one minute. Then re-insert it and try to charge it once more. If the charging light goes out within one minute even after repeating this procedure a couple of times, the battery cartridge is dead. Replace it with a new one.
When the charging light goes out after about one hour, you may remove the fully charged battery cartridge.

ACCESSORIES

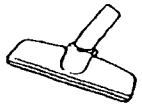
CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

• **Extension wand**
Part No. 416042-8

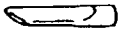


• **Nozzle assembly**
Part No. 122520-5



• **Nozzle assembly (for carpet)**
Part No. 122291-4

• **Corner nozzle**
Part No. 416041-0



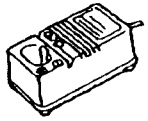
• **Shelf brush**
Part No. 191724-0

• **Flexible hose**
Part No. 191496-7

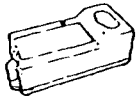
• **Paper filter (10 pcs.)**
Part No. 192608-5

• **Battery cartridge 7000**
Part No. 632002-4
• **Battery cartridge 7002**

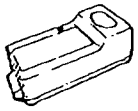
• **Fast charger**
Model DC9700
Part No. 113103-2



• **High capacity charger**
Model DC1411



• **Fast Automotive charger**
Model DC1412



IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
3. CAUTION – To reduce risk of injury, charge only MAKITA Battery 7000. Other types of batteries may burst causing personal injury and damage.
4. Do not expose charger to rain or snow.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
   a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
   b. That extension cord is properly wired and in good electrical condition; and
   c. That wire size is at least as large as the one specified in the table below.

TABLE 1
RECOMMENDED MINIMUM AWG SIZE FOR EXTENSION CORDS FOR BATTERY CHARGERS

Length of Cord (Feet)	25	50	100	150
AWG Size of Cord	18	18	18	16

9. Do not operate charger with damaged cord or plug – replace them immediately.
10. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
11. Do not disassemble charger or battery cartridge; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

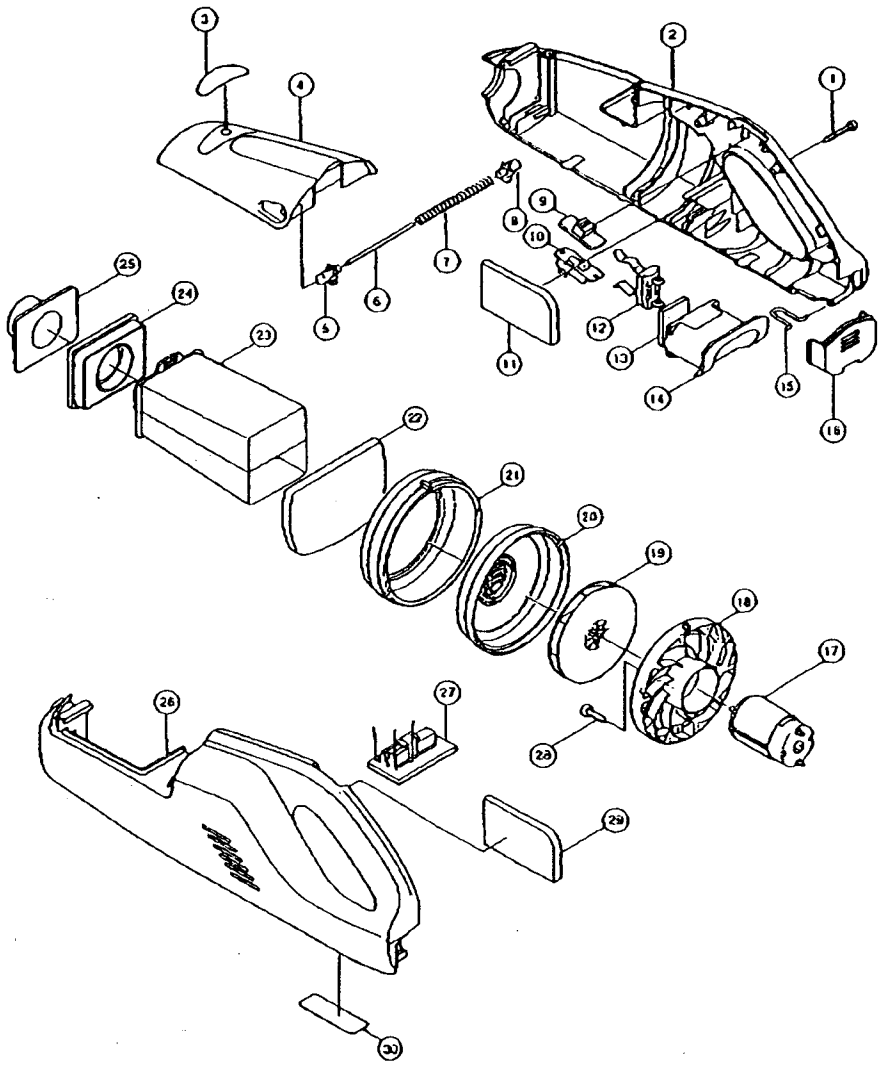
READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

WARNING-To reduce the risk of fire, electric shock, or injury:

1. Do not leave appliance when the battery cartridge is installed. Remove the battery cartridge from your appliance when not in use and before servicing.
2. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
3. Use only as described in this manual. Use only manufacturer's recommended attachments.
4. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
5. Do not handle appliance with wet hands.
6. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
7. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
8. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
9. Do not use without filters in place.
10. Turn off all controls before removing the battery cartridge.
11. Use extra care when cleaning on stairs.
12. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
13. Use only the charger supplied by the manufacturer to recharge.
14. Do not charge the unit outdoors.

This appliance is intended for household use.

CORDLESS CLEANER
Model 4073D



Note: The switch and other part configurations may differ from country to country.